

20030506.qrp v02_n912.qrl.20030506

Date: Tue, 6 May 2003 19:03:05 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2912

QRP-L Digest 2912

Topics covered in this issue include:

- 1) [150012] Red Hot *SOLD*
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 2) [150013] ND QSOes in ARS Sprint tonite
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 3) [150014] Re: Mini Boots Amplifier Announcement of Good News!!!!!!!!!!!!
by na5n@zianet.com
- 4) [150015] Re: Mini Boots Amplifier Announcement of Good News!!!!!!!!!!!!
by KD5NWA <KD5NWA@cbayona.com>
- 5) [150016] Re: NVIS and QRP
by Al Scanandoah <k2zn@rochester.rr.com>
- 6) [150017] Miniboats
by "Karl F. Larsen" <k5di@zianet.com>
- 7) [150018] RTTY being replaced by PSK31?
by Jeff <fantbb@yahoo.com>
- 8) [150019] Re: JFET Sleuthing
by "Nick Kennedy" <nkennedy@tcainternet.com>
- 9) [150020] Inv Vee attaching
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 10) [150021] Wire Beam Antenna Ideas
by Steve.Lawrence@ITWFEG.COM
- 11) [150022] Effect at the ocean interface of your sky wave reflection
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 12) [150023] The stub for the HF 6 Butternut
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 13) [150024] Re: NVIS Receiving
by "Stephen Yates" <aa5tb@arrl.net>
- 14) [150025] NVIS military type has differing requirements than ham type
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 15) [150026] Arlington Texas Hamcom 2003 Builders Contest Early Warning System
by Mike Malone <mmalone@ruggedridge.com>
- 16) [150027] Re: JFET Sleuthing
by Steve Ratzlaff <steveratz@eoni.com>
- 17) [150028] Re: NVIS military antennae
by "Karl" <kkanalz@gcecisp.com>
- 18) [150029] Best free logger software?
by Steven Weber <kd1jv@moose.ncia.net>
- 19) [150030] Re: Arlington Texas Hamcom 2003 Builders Contest Early Warning

System

- by psschwarz@kellnet.com
- 20) [150031] Antenna Feed Line
by "Brent Sutphin WB4X" <bsutphin@triad.rr.com>
- 21) [150032] ARS Spartan Sprint
by Garie Halstead <khyberpass65@yahoo.com>
- 22) [150033] THANKS FOR ANSWERS (TECH QUES SORTA)
by hamjoel@juno.com
- 23) [150034] Re: RTTY being replaced by PSK31?
by "Dave Sjolin" <sjolin@swbell.net>
- 24) [150035] Re: AT Sprint construction: solder wick technique
by "Mike Yetsko" <myetsko@insydesw.com>
- 25) [150036] Re: Miniboats
by "Bill Linn" <blinn@smgazette.com>
- 26) [150037] SP: bummer; lesson; medication; ...
by "sslyon" <sslyon@megalink.net>
- 27) [150038] Help needed
by "Doug Hendricks" <ki6ds@dospalos.org>
- 28) [150039] CQ Paul K4FB
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 29) [150040] CQ Mert W0UFO
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 30) [150041] Re: JFET Sleuthing
by "Brad Hernlem" <alihernlem@hotmail.com>
- 31) [150042] Re: RTTY being replaced by PSK31?
by Jeff <fantbb@yahoo.com>
- 32) [150043] K0EVZ ARS Sprint
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 33) [150044] Summer FOX Starting Date Change
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 34) [150045] Re: [Re: AT Sprint construction: solder wick technique]
by "P. Ermisch" <ermisch@usa.net>
- 35) [150046] FS or trade:ATX Walkabout still available FT-817
by "=?iso-8859-1?q?Miguel=20Angel=20D.J.?=" <ea1bp@yahoo.es>
- 36) [150047] Michigan QRP Net Tonight
by kwiike@gdls.com
- 37) [150048] Iowa QRP Club CW Net
by mark.milburn@juno.com
- 38) [150049] Re: ARS Spartan Sprint
by Lloyd Lachow <llachow@yahoo.com>
- 39) [150050] ESS Crystals for 40m Cyl vs HC49
by Chuck Carpenter <w5usj@9plus.net>
- 40) [150051] RTTY being replaced by PSK31 -- question??
by "Charles Mabbott" <aa8vs@msn.com>
- 41) [150052] Re: RTTY being replaced by PSK31 -- question??
by "Brian Murrey" <brian@iquest.net>
- 42) [150053] Re: RTTY being replaced by PSK31 -- question??
by "Dave Sjolin" <sjolin@swbell.net>

43) [150054] Re: RTTY being replaced by PSK31?
by "Dennis Ponsness" <wb0wao@hotmail.com>

44) [150055] Re: RTTY being replaced by PSK31?
by "Dave Sjolín" <sjolin@swbell.net>

45) [150056] RE: RTTY being replaced by PSK31 -- question??
by "K8YS/N8LBR" <jbcraft@adelphia.net>

46) [150057] Re: Antenna Feed Line
by "sslyon" <sslyon@megalink.net>

47) [150058] Re: RTTY being replaced by PSK31 -- question??
by "Russ Hines" <wb8zcc@one.net>

48) [150059] Re: NVIS and QRP
by Dave Hottell <hottell@gulftel.com>

49) [150060] Re: RTTY being replaced by PSK31 -- question??
by Jerry Lofstead <w3cde@bellsouth.net>

50) [150061] Re: RTTY being replaced by PSK31?
by Bruce Muscolino <w6toy@erols.com>

51) [150062] Re: Antenna Feed Line
by Bruce Muscolino <w6toy@erols.com>

52) [150063] QSL Card Collectors??
by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>

53) [150064] Need NorCal 40 info (from the Club Version, not the Wilderness NC40A)
by "Doug Hendricks" <ki6ds@dph.dpol.net>

54) [150065] Re: Mini Boots Amplifier Announcement of Good News!!!!!!!!!!!!
by Allen Jones <w9dz@yahoo.com>

55) [150066] ADIF
by "Upton, Shawn" <SUpton@ALLEGROMICRO.com>

56) [150067] Want: 10-Meter Beacon
by Brian Mileschosky <n5zgt@swcp.com>

57) [150068] Re: RTTY being replaced by PSK31?
by "Dave Sjolín" <sjolin@swbell.net>

58) [150069] Re: 10-Meter Beacon
by "w8diz" <w8diz@fpqrp.com>

59) [150070] Re: NVIS military antennae
by "Michael Melland" <w9wis@charter.net>

60) [150071] QRP/NVIS sprint?
by Dave Hottell <hottell@gulftel.com>

61) [150072] Re: RTTY being replaced by PSK31 -- question??
by bob evinger <wd9eka@evinger.com>

62) [150073] QST Hamcon Attendees Re: [Elecraft] Booth help needed for HamCon 2003 in Estes Park CO May 30 - June 1
by "Rod N0RC" <rod@n0rc.us>

63) [150074] Re: Want: 10-Meter Beacon
by John Harper AE5X <ae5x@qsl.net>

64) [150075] Re: ADIF
by "Upton, Shawn" <SUpton@ALLEGROMICRO.com>

65) [150076] Re: RTTY being replaced by PSK31 -- question??
by "Russ Hines" <wb8zcc@one.net>

Date: Mon, 5 May 2003 16:47:24 -0500
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [150012] Red Hot *SOLD*
Message-ID: <412003515214724337@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

The Red Hot has been spoken for. Thanks to all who inquired about buying it.

73,
--Doc/K0EVZ

Date: Mon, 5 May 2003 16:52:35 -0500
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>,
"Elecrafft " <elecrafft@mailman.qth.net>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [150013] ND QSOes in ARS Sprint tonite
Message-ID: <412003515215235925@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

I will be on the air for the ARS Sprint tonite, so maybe we can log some ND QSOes at that time. Am in the Central time zone, so will be beginning at 8:00 pm CDT.

Setup will be a K2 at 5 watts to my 560' horizontal loop up 33'.

Following the end of the hunt I will be glad to QSY to 30 Metres as needed. Looking forward to working you tonite.

73,
--Doc/K0EVZ

Date: Mon, 05 May 2003 16:11:42 -0600
From: na5n@zianet.com
To: k5di@zianet.com
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [150014] Re: Mini Boots Amplifier Announcement of Good News!!!!!!!!!!!!
Message-ID: <20030505221142.2780.qmail@klaatu.zianet.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Karl F. Larsen writes:

> ... I'm wondering if you guys have set the amp to
> put out only lower power on 10 meters? The FCC has some thing about high
> power amps for 10 meters.

First, I don't believe 5-10W constitutes "high power" on 10M. Most
CB's are in the 3-5W range to begin with.

Secondly, I don't believe Wayne has ever said his Mini-Boots is good
up to 10M. I believe it is for 40/30/20M. I recall Wayne being asked
this at PacifiCon, and he said it was not designed for 10M use. Since
it uses an IRF510, pushing it to even 15M would be a challenge. So using
it on 10M is not a factor. However, I am not involved in this project, so
if the PA transistor has been changed since PacifiCon to allow 10M use,
I'm sure it will be posted.

Besides, who are you going to talk to on 10M ... 5W or 100W? The days
of 10M openings are getting numbered as we slither into the solar
minimum. Solar flux has been under 150 for some time now.

72, Paul NA5N

Date: Mon, 05 May 2003 17:30:00 -0500
From: KD5NWA <KD5NWA@cbayona.com>
To: k5di@zianet.com, QRp-1@lehigh.edu
Subject: [150015] Re: Mini Boots Amplifier Announcement of Good News!!!!!!!!!!!!
Message-ID: <5.2.0.9.0.20030505172823.00a7dd50@127.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I have bought one and as soon as they are available I'm going to buy a second one. Yes Sir, that puppy will bring up you from one watt output up to a Full Gallon, 5 Watts, wow just the thought of all that power makes me sweat. Way more power that most humans are meant to have, I need to get going and rewire my ham shack for 220 Volts so I can run that amplifier at full power.

<<http://www.fix.net/~jparker/norcal/miniboots/miniboot.htm>>

At 04:05 PM 5/5/2003, you wrote:

>Gang, you have to understand that on a QRP list the sale of a high power
>amplifier is difficult at best. I have a couple of radios that will use
>this high power amp but I'm wondering if you guys have set the amp to
>put out only lower power on 10 meters? The FCC has some thing about high
>power amps for 10 meters.

>

>

>

>On Mon, 5 May 2003, Doug Hendricks wrote:

>

> > Guys, you have been unbelievably patient with us and the NorCal MiniBoots 5
> > W Amplifier project. We presold these in late October, and had all
> kinds of

>

>--

>

> - Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Cecil
KD5NWA

Date: Mon, 05 May 2003 19:39:16 -0400
From: Al Scanandoah <k2zn@rochester.rr.com>
To: stanw@toxsox.com, qrp-1@lehigh.edu
Subject: [150016] Re: NVIS and QRP

Message-ID: <3EB6F624.FA83285A@rochester.rr.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Stan

The military version (AS-2259) is intended to be used with some sort of matching network, typically the autotuner in a manpack radio. There is loss in the feedline/mast section due to VSWR, but it's low enough to be tolerable across the 2-12 MHz range. The closer the matching network is to the base of the antenna, the better.

There's no reason why you couldn't add a counterpoise to the antenna. It doesn't have one due to the "quick-erect" design, which is required for tactical applications.

Al, K2ZN

stanw@toxsox.com wrote:

>
> First thanks Mike for the initial posting, I learn a lot from Mike's site.
> Also using google I find that there is a lot that I do not know about using
> one of these antenna.
>
> I know they work because every year the STL QRP club sets up one for 80
> meters about 6 foot off the ground with a counterpoise. It has always
> produced amazing results.
>
> It appears that several versions of an antenna called a NVIS exists.
> First the dipole like the qrp club uses and then the military version with
> links from Mike's site.
>
> Question about military version. It covers from 2 mhz to 10 mhz. great
> 80,40 and 30 meters and maybe 160. However, no counterpoise and the two
> dipoles are not resonant in any ham band. How does the military use the
> support pole for a feed line ?
>
> Anyone using this version on QRP ? results ? Would it be better to
> resonant each dipole in a ham band ?
>
> What kind of match does the military version provide? Sure looks like
> the thing for a simple portable for QRP in the park , etc.
>
> Thanks for the use of a little bandwidth. de Stan ak0b

Date: Mon, 5 May 2003 17:51:16 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [150017] Miniboosts
Message-ID: <Pine.LNX.4.44.0305051747530.2978-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

It appears you all but one saw no humor in my answer to Doug getting the mighty 5 watt amp kits ready. It was intended to be in fun and funny and sorry so many didn't see it that way.

Cecil KD5NWA did see the joke. So thanks Cecil!

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Mon, 5 May 2003 17:18:39 -0700 (PDT)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-l@lehigh.edu>
Subject: [150018] RTTY being replaced by PSK31?
Message-ID: <20030506001839.42024.qmail@web20413.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I've been working alot of PSK31 with Digipan lately and was looking at other PSK31 programs to try out. I saw a RTTY program that was a freeware so I downloaded it and started looking around for RTTY stations to give it a try. I only heard one on 20 meters. As I was just on 14.070 and saw at least 10 PSK31 QSOs in progress I was kinda surprised. So I just figured maybe it was all timing and there just wasn't any RTTY stations on at that time. Later on in the day I tried again and found the same thing. Multiple PSK31 signals but at the most one or two RTTY stations. That night I went looking on 40 meters and only heard one RTTY station. Just seems in this small sample that there are a lot more PSK31 stations than RTTY now.

Has any one else noticed this?

73!

Jeff

=====

AB6MB

NorCal QRP Club #65, QRP-L #1780, ARCI 10071

Radical FIST Member 6798, Fanatic A's fan #1

Date: Mon, 5 May 2003 19:33:07 -0700

From: "Nick Kennedy" <nkennedy@tcainternet.com>

To: <alihernlem@hotmail.com>,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [150019] Re: JFET Sleuthing

Message-ID: <009e01c31377\$d45f57c0\$0400000a@wa5bdu>

MIME-Version: 1.0

Content-Type: text/plain;

charset="Windows-1252"

Content-Transfer-Encoding: 7bit

I think it's generally true that they're interchangeable. The only exception might be where theres an anti-static diode integral to the device, but I think that's only done with MOSFETS.

72--Nick, WA5BDU

in Arkansas

> >Not that it helps much, but on some FETS the drain and source are
> >interchangeable.

>

> This makes sense thinking about how a JFET works and certainly within the
> parameters of my simple test they were interchangeable. I am wondering
> whether this interchangeability would hold in all applications,

Date: Mon, 5 May 2003 19:36:22 -0500

From: "Stuart Rohre" <rohre@arlut.utexas.edu>

To: <casey.jay@verizon.net>, <qrp-l@Lehigh.EDU>

Subject: [150020] Inv Vee attaching

Message-ID: <021d01c31367\$84e38b90\$4e100a0a@rohredt2000>

Donn,

What we do at club station is use some angle iron from Home Depot, or even

piece of 1/2 inch conduit scrap and u bolt it to tower leg. You could likely come up with a U bolt to hold such to a slip up mast as well, the U bolt at an angle and big enough to hold both pieces. Make the piece to stand off the support a foot or more. Put a pulley on it for raising and lowering the INV. Vee for when the center connection to feeder breaks. (They all do if a big wind comes by, and it will).

72,

Stuart K5KVH

Date: Mon, 5 May 2003 20:41:30 -0400

From: Steve.Lawrence@ITWFEG.COM

To: hamjoel@juno.com

Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [150021] Wire Beam Antenna Ideas

Message-ID: <0FEFF81118.34168DCB-ON85256D1D.008042B6-85256D1E.0003CBAD@itwfeg.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Dear Joel,

Thinking about your wire beam antenna work as reported recently on QRP-L, in my reading I've come across some similar ideas for wire beam antennas that might be of interest. Please allow me...

>From "Simple and Fun Antennas for Hams" by Hutchinson and Straw, chapter 15, page 26:

"A Two Element 40-Meter Switch Beam" is described. The original artical was in the "The ARRL Antenna Compendium, Volume 6" by Carrol Allen, AA2NN, and is claimed to have a 30 db front-to-back ratio! The switching scheme is a simple SPDT coax switch -- no complicated relays, matching stubs, or phasing lines. Let me see if I can draw a picture of this antenna with words.... Imagine a rectangle of wire measuring 46.25' x 22'. The short sides are broken for 2' at their centers. The long sides are both center fed with identical feedlines which are not as easy to describe (about 1/2 of the article is devoted to a feeding discussion). But when it all boils down, the feed lines are a 1:1 balun followed by coax of calculated length. Antenna direction is determined by which feed line is connected to the transmitter!

The other artical is on Chapter 15, page 18 of the same "Simple and Fun...". A portable 2 element Triband Yagi is described. The original artical, by Markus Hansen, VE7CA, appeared in QST 11/01. Overall dimensions are about 35' x 7'. The antenna is essentially 3 parallel dipoles (for 20m, 15m, and 10m) and 3 reflectors.

I'm supremely jealous of those who have the trees to experiment with antennas such as these! (But then there's the leaf raking in the fall.....)

Please keep us posted on your experience!

73,
Steve
aa8af

Date: Mon, 5 May 2003 19:46:54 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <hamjoel@juno.com>, <qrp-1@Lehigh.EDU>
Subject: [150022] Effect at the ocean interface of your sky wave reflection
Message-ID: <023501c31368\$fd8627a0\$4e100a0a@rohredt2000>

Joel,

the forces acting on that seawater at the moment of reflection were probably much stronger than the energy of your wave. Thus, even at Sea State 0 (zero) a calm sea; there would have been swells and wave action which dominated over your wave energy.

The effect of your wave would have been there, but likely at a microscopic level which could not be seen for all the other action going on in the water. The wave exists as almost mass less electric and magnetic fields. I will let the Atomic Physicists take it from here. I just know you could not see the wave reflection as any disturbance, (visually) to the water of an ocean.

Interesting question!

72,
Stuart K5KVH

Date: Mon, 5 May 2003 19:50:01 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Bill Jones" <kd7s@psnw.com>, <qrp-1@Lehigh.EDU>
Subject: [150023] The stub for the HF 6 Butternut
Message-ID: <023d01c31369\$6cc1cd40\$4e100a0a@rohredt2000>

Sounds like it is about a coax quarter wave with Velocity factor considered.

(about 0.66 of 16 feet depending on coax type). 66 per cent Velocity factor.

72,

Stuart K5KVH

Date: Mon, 5 May 2003 19:58:52 -0500
From: "Stephen Yates" <aa5tb@arrl.net>
To: "QRP-L Distribute" <qrp-l@Lehigh.EDU>
Subject: [150024] Re: NVIS Receiving
Message-ID: <000301c3136a\$acd04fa0\$a500a8c0@texas.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just as John mentions, you can have surprising results with 40m NVIS. During this last QRPTTF Contest, I had very good signal reports with my Rock Mite at 320mw and an end-fed halfwave that was horizontal with one end about 12 feet high and the far end up about 6 feet. Several stations within a 150 miles or so said I was a true S9. The local club members razed me saying I was the strongest signal on the band and that there was no way that I was using 320mw! Just goes to show how good the NVIS mode can be (or how gullible I can be).

73,

Steve Yates - AA5TB

<http://www.qsl.net/aa5tb/>

Date: Mon, 5 May 2003 20:11:16 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <stanw@toxsor.com>, <qrp-l@Lehigh.EDU>
Subject: [150025] NVIS military type has differing requirements than ham type
Message-ID: <025101c3136c\$64964030\$4e100a0a@rohredt2000>

HI, The Military NVIS antenna of one type is non resonant crossed dipoles. The military must be frequency agile to change band to band so the bad guys do not know where to listen, (eavesdrop). They can accept the loss of efficiency for they have higher power if they want it, and they have very versatile transmatches to make the rig match the wire on any of their frequencies. However, sometimes they are not able to get maximum

efficiency, and are willing to live with that for the ease of going in and out of the bands we use, and many frequencies in between. In other words, military comms is a trade off. Their antenna is smaller than resonance thus is more covert and easier to deploy.

Hams on the other hand, have fixed bands we cannot stray out of. We may be limited in power such as QRP and thus will do best with maximum efficiency from our antenna on our specific frequency. We can put up full sized antennas for our lowest frequency band and get good efficiency that way. Or we can use our transmatch and a compromise length of antenna vs. frequency. I was not aware of the military using the support as feed line. I think their coax runs up INSIDE their mast, and in that way it is used as part of the feed system,

A google search for NVIS will take you to a description of a commercial military NVIS antenna. I think Mosley also has some in their catalog.

72,

Stuart K5KVH

Date: 05 Aug 2000 04:33:06 -0500

From: Mike Malone <mmalone@ruggedridge.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [150026] Arlington Texas Hamcom 2003 Builders Contest Early Warning System

Message-ID: <965467989.3266.16.camel@localhost.localdomain>

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Mime-Version: 1.0

This years building contest will be Saturday Night, June 21st at the ARCI QRP courtesy suite. I wanted everyone to have some advance notice of what this years events would be.

2n2222a TX Fryoff

Any single transistor TX using the 2n2222a on any HF ham band, the most power out wins. The only rules will be no heatsinks, all official runs will be on judges power supply using judges meter and must survive a 60 second simulated qso at 5wpm. There will be a prize for most power out, ugliest, and the best smoke release (if we burn some up!)

Best Portable Station Accessory

No rules, other than it has to be moveable and survive judges durability testing procedure to be disclosed after you enter. Ok, just kidding... only rule is it has to be QRP portable station accessory. Fire up your

irons and bring out your toys, we are gonna have some fun.

KD5KXF
Mike Malone

Inquire direct to mmalone@ruggedridge.com

[This E-mail scanned for viruses by Declude Virus]

Date: Mon, 05 May 2003 18:53:39 -0700
From: Steve Ratzlaff <steveratz@eoni.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [150027] Re: JFET Sleuthing
Message-ID: <3EB715A3.7629B011@eoni.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

I've just spent a little time going through my Siliconix JFET data book--it shows the chip geometry and whether the source and drain are symmetrical or non-symmetrical for a number of jfets. Here are the results for some fairly common jfets (at least some that I've worked with):

	SYM	NON-SYM
2N3819	X	
2N4220-22	X	
2N5457	X	
2N5484-86		X
2N4416		X
BF244/5		X
J304/5/U308-10		X
MPF102/108/112		X

There's no particular rule as far as I know whether a device is symmetrical or not.

Most non-symmetrical jfets will work to some degree if you interchange drain and source, but for best performance, they should be properly connected, particularly at high-HF and above operation.

If you have a favorite jfet not listed above and wish to know if it's symmetrical or not, let me know and I'll try to find it in my databooks.

Steve AA7U

Nick Kennedy wrote:

>
> I think it's generally true that they're interchangeable. The only
> exception might be where theres an anti-static diode integral to the device,
> but I think that's only done with MOSFETS.
>
> 72--Nick, WA5BDU
> in Arkansas
>
> > >Not that it helps much, but on some FETS the drain and source are
> > >interchangeable.
> >
> > This makes sense thinking about how a JFET works and certainly within the
> > parameters of my simple test they were interchangeable. I am wondering
> > whether this interchangeability would hold in all applications,

Date: Mon, 5 May 2003 21:04:57 -0500
From: "Karl" <kkanalz@gcecispc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [150028] Re: NVIS military antennae
Message-ID: <002201c31373\$e5232b80\$821a0ed0@HamShack>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

During the Viet Nam "conflict", Collins Radio made an "Orthogonal Antenna" for use in the jungle terrain that our G.I.s encountered. Because of the heavy "canopy" of jungle trees/vines, et cetera, stringing up dipoles or rotatable log periodic antennas was out of the question.

PLUS, combat units wanted to have (relatively) short-range contact with other combat units in the field.

The answer: NVIS antenna systems! Collins developed an orthogonal antenna system wherein the antenna support was indeed a coaxial feedline (not coax run inside the support tubing) which in turn, rested on an auto-tuned "coupler" base at the bottom of the support/feedline.

As I recall, this antenna was designed for frequency coverage between 6.5 MHz and 30 MHz. And yes, it WAS expensive!

Karl K - W8TIF
McKinney, Texas

----- Original Message -----

From: "Stuart Rohre" <rohre@arlut.utexas.edu>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Monday, May 05, 2003 8:11 PM

Subject: NVIS military type has differing requirements than ham type

> HI, The Military NVIS antenna of one type is non resonant crossed dipoles.
> The military must be frequency agile to change band to band so the bad
guys
> do not know where to listen, (eavesdrop). They can accept the loss of
> efficiency for they have higher power if they want it, and they have very
> versatile transmatches to make the rig match the wire on any of their
> frequencies. However, sometimes they are not able to get maximum
> efficiency, and are willing to live with that for the ease of going in and
> out of the bands we use, and many frequencies in between. In other words,
> military comms is a trade off. Their antenna is smaller than resonance
thus
> is more covert and easier to deploy.
>
> Hams on the other hand, have fixed bands we cannot stray out of. We may
be
> limited in power such as QRP and thus will do best with maximum efficiency
> from our antenna on our specific frequency. We can put up full sized
> antennas for our lowest frequency band and get good efficiency that way.
Or
> we can use our transmatch and a compromise length of antenna vs.
frequency.
> I was not aware of the military using the support as feed line. I think
> their coax runs up INSIDE their mast, and in that way it is used as part
of
> the feed system,
>
> A google search for NVIS will take you to a description of a commercial
> military NVIS antenna. I think Mosley also has some in their catalog.
> 72,
> Stuart K5KVH

Date: Mon, 05 May 2003 22:05:33 -0400

From: Steven Weber <kd1jv@moose.ncia.net>

To: qrp-l@lehigh.edu

Subject: [150029] Best free logger software?

Message-ID: <3.0.6.32.20030505220533.007b2100@mailhost.ncia.net>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Okay, I know this has been asked and been answered a thousand times before, but what's the best free DOS based logging program and where do I find it? (Win3.1 version okay too)

I bought seven *digital* 486 notebooks with color LCD for \$10 at the hamfest this weekend and five of them work! (but HDs wiped clean) So, I'd like to finally get a logging program to put on one of them. Okay, one of the drives still had WIn95 on it, so a newer program could be acceptable too.

Thanks

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Tue, 06 May 2003 02:30:15 GMT
From: psschwarz@kellnet.com
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [150030] Re: Arlington Texas Hamcom 2003 Builders Contest Early Warning System
Message-ID: <20030506023015.16177.qmail@mail.kellnet.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Is it my email server acting up again or was this message dated 5 Aug 2000?
Getting the word out early, eh? :-)

Patrick...KB8RTZ...

Mike Malone writes:

> This years building contest will be Saturday Night, June 21st at the
> ARCI QRP courtesy suite. I wanted everyone to have some advance notice
> of what this years events would be.
>
> 2n2222a TX Fryoff
> Any single transistor TX using the 2n2222a on any HF ham band, the most
> power out wins. The only rules will be no heatsinks, all official runs

> will be on judges power supply using judges meter and must survive a 60
> second simulated qso at 5wpm. There will be a prize for most power out,
> ugliest, and the best smoke release (if we burn some up!)
>
> Best Portable Station Accessory
> No rules, other than it has to be moveable and survive judges durability
> testing procedure to be disclosed after you enter. Ok, just kidding...
> only rule is it has to be QRP portable station accessory. Fire up your
> irons and bring out your toys, we are gonna have some fun.
>
> KD5KXF
> Mike Malone
>
> Inquire direct to mmalone@ruggedridge.com
>
>
>
> ---
> [This E-mail scanned for viruses by Declude Virus]

Date: Mon, 5 May 2003 22:21:10 -0400
From: "Brent Sutphin WB4X" <bsutphin@triad.rr.com>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [150031] Antenna Feed Line
Message-ID: <013501c31376\$298a3d20\$546d1f18@triad.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I would like comments on my plans for an antenna installation that I am working on.

The antenna is a Hustler 6BTV. I have it installed at the back of my lot about 20 feet away from a small storage building. I used that building as my radio shack for about a year. I had very good results using this antenna. The thing is, I only needed a short run of coax, about twenty feet. Now for the problem...I finally found room in the house for the radios. The antenna feed line now has to be 125 feet. I'm thinking the feed line losses would be excessive if I use coax. I run only QRP and do not like the idea of loosing my power in the feed line. So here is what I have in mind. I would use ladder line to feed the 6BTV. I will have to run it through the attic to the rear of the house. From there a 70 foot span overhead across the yard to my storage building, drop down to about a foot above the ground and across to the antenna. (about 20 feet). Please let me know what you think of this idea. I'm in the process now of making the ladder line.

Thanks
Brent WB4X

Date: Mon, 5 May 2003 19:27:08 -0700 (PDT)
From: Garie Halstead <khyberpass65@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [150032] ARS Spartan Sprint
Message-ID: <20030506022708.37012.qmail@web80505.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

The 500mw signal of WA8ZBT is really smokin' tonight on 20m.
He's a solid 579 here in WV...WOW!!

I've had to QRT due to severe thunderstorms. Hope to see
everyone again next month in the SP.

72, Gary -K8KFJ-
West Virginia

Do you Yahoo!?
The New Yahoo! Search - Faster. Easier. Bingo.
<http://search.yahoo.com>

Date: Tue, 6 May 2003 02:33:53 GMT
From: hamjoel@juno.com
To: qrp-1@Lehigh.EDU, fpqrp-1@mpna.com
Subject: [150033] THANKS FOR ANSWERS (TECH QUES SORTA)
Message-ID: <20030505.193416.934.378162@webmail04.lax.unttd.com>
Content-Type: text/plain

HIGH Y'ALL

BOY DID I GET ANSWERS... FROM GEAUX SOAK UR HEAD TO DETAILED EXPLANATIONS....
(DETAILED TO ME AT LEAST)

APARENTLY THERE IS MORE TO THE QUESTION THAN A FIRST LOOK WOULD INDICATE...
THANK YOU ALL

WHAT I'M HAVING TROUBLE UNDERSTANDING IS HOW SOMETHING CAN HAVE MOTION AND NO
MASS... SEE, THAIR BEES LOTS OF THINGS AH DON'T KNEAUX MUCH ABOUT.... OH, U KNEAUX
THAT... OK....

THANKS ALL...

KE1LA JOEL
IN MAINE
TRYING TO GET HIS MASS IN MOTION...:-)

KE1LA JOEL
IN MAINE
FREEZIN

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Date: Mon, 5 May 2003 22:06:30 -0500
From: "Dave Sjolín" <sjolin@swbell.net>
To: <fantbb@yahoo.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [150034] Re: RTTY being replaced by PSK31?
Message-ID: <16fb01c3137c\$7ea26430\$78d1fea9@DaveSjolín>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

RTTY is seldom used any more for anything but contesting and DX. As a result you see little RTTY activity except during a contest weekend or when a DXpedition is underway.

There are still as many RTTY operators as in the past, they are just very selective about when they operate the mode.

73 de Dave, N0IT

----- Original Message -----

From: "Jeff" <fantbb@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, May 05, 2003 7:18 PM
Subject: RTTY being replaced by PSK31?

> I've been working alot of PSK31 with Digipan lately and was looking
> at other PSK31 programs to try out. I saw a RTTY program that was a
> freeware so I downloaded it and started looking around for RTTY
> stations to give it a try. I only heard one on 20 meters. As I was

> just on 14.070 and saw at least 10 PSK31 QSOs in progress I was kinda
> surprised. So I just figured maybe it was all timing and there just
> wasn't any RTTY stations on at that time. Later on in the day I tried
> again and found the same thing. Multiple PSK31 signals but at the
> most one or two RTTY stations. That night I went looking on 40 meters
> and only heard one RTTY station. Just seems in this small sample
> that there are a lot more PSK31 stations than RTTY now.
>
> Has any one else noticed this?
>
> 73!
>
> Jeff
>
>
>
>
>
>
> =====
> AB6MB
> NorCal QRP Club #65, QRP-L #1780, ARCI 10071
> Radical FIST Member 6798, Fanatic A's fan #1
>

Date: Mon, 5 May 2003 23:13:03 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <jerrylofstead@bellsouth.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [150035] Re: AT Sprint construction: solder wick technique
Message-ID: <008501c3137d\$8f4661a0\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I would tend to sorta agree in that a SLIGHTLY elevated temperature helps with desoldering.

But it's NOT the fact that the temp is up. THAT is actually the detrimental and dangerous part. What helps is the actual BTUs that you can transfer to the junction. Irons like the WTCPT have a lot of 'thermal inertia' that is key. Holding at 700 degrees but with a lot of 'oomph'. Sorta like a tractor engine with lots of torque.

I still would NEVER go to 800 degrees. At 800 you can too easily break the bond from the pads to the PCB material and lift pads and traces right off.

Mike

Date: Mon, 5 May 2003 20:40:27 -0700
From: "Bill Linn" <blinn@smgazette.com>
To: <k5di@zianet.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [150036] Re: Miniboats
Message-ID: <000a01c31381\$3d05b900\$7f70ef42@wa7tqk>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Karl, we are mostly CW nuts here so when you are just kidding, throw in an occasional "HI HI" for us old fuddy duddies.. (hi hi)

Bill - WA7TQK

[SMGazette.com E-mail is scanned for viruses by Declude Virus]
[Visit us on the web at SMGazette.com]

Date: Tue, 6 May 2003 00:37:41 -0400
From: "sslyon" <sslyon@megalink.net>
To: "qrp list" <qrp-1@lehigh.edu>
Subject: [150037] SP: bummer; lesson; medication; ...
Message-ID: <002501c31389\$3b39d900\$0ac8e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well it sure started out with a bang on 20m and then I decided to check 40m. I'd spent the whole afternoon - evening getting up an "optimally oriented" 88' foot EDZ at 55' back there in the woods, and set up to operate directly under it. Last nite (late, of course) I'd done some metal work on the sardine can to make the connectors fit better on the AT Sprint. So... had a nice starting run to CA,

WA, CO, NM, AZ as well as the usual mid-west suspects, so knew the new antler was really cooking. When it slowed a bit I decided to peek at 40m and that's when everything changed. The Sprint didn't recognize the 40m module... came up reading "060", indicating 20m. wasted MUCHO time piddling/diddling/ slapping mosquitoes that weren't supposed to be there and then hiked back to the house to call the progenitor hisself, KD1JV. We went over some voltage readings and he suggested that there was a short or leakage or something pulling down the voltages on the module. He suggested I do a board clean-up with alcohol, take two Prozac and call him in the morning.

I mean... I went thru that thing with my visor, bifocals plus a hand-held magnifier and saw nada... but did the 90% isopropyl douche and a shaver brush routine anyway. After drying it out on my hi-intensity lamp housing while answering some e-mail, I hosed it all up again and bingo... summich work'n ag'in. I had filed, scraped, scissored, and otherwise generated lots of tiny aluminum debris from the case that must have created the leakage path, which was no doubt aided by going thru the dew-point on the way to 44 deg. F -and that shot my chances for a two-in-a-row SP win this month. It did, however precipitate the first and substantial gin and tonic for the year. Bottom line: this tiny geometry circuitry is really tricky stuff and is VERY demanding of attention to detail -and hygiene. I'll be back next month... thanks to all who made the first half hour or so a real thrill.

73

aa1my

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm

Date: Mon, 5 May 2003 21:55:59 -0700
From: "Doug Hendricks" <ki6ds@dospalos.org>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [150038] Help needed
Message-ID: <00ea01c3138b\$cb3054b0\$1fdbd7a8@DOUG>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Can someone send me a scanned copy of the parts list and schematics of the original NorCal 40 from the manual. I am talking about the club kit, Not the Wilderness Radio Version. Thanks, Doug, KI6DS

Date: Mon, 5 May 2003 23:58:24 -0500
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [150039] CQ Paul K4FB
Message-ID: <41200352645824211@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Paul:

Please contact me ASAP on a matter. Thanks. The e-mail I have for you no longer is valid.

73,
--Doc/K0EVZ

Date: Tue, 6 May 2003 0:5:34 -0500
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [150040] CQ Mert W0UFO
Message-ID: <4120035265534821@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Mert:

Please contact me directly ASAP on a matter. The e-mail I have recorded for you is no longer valid. Thanks. And thanks as well for the ARS Sprint QSO tonite.

73,
--Doc/K0EVZ

Date: Tue, 06 May 2003 05:37:05 +0000
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-1@lehigh.edu
Cc: steveratz@eoni.com
Subject: [150041] Re: JFET Sleuthing
Message-ID: <Law9-F977SzE2NSAW4e0002f178@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Steve and all who responded, directly as well as on list,

Well, I took some more measurements tonight and am essentially seeing no difference one way or the other. The IDSS was about 4.5 mA at 12V drain to source either way. The pinch-off was about 2V either way. I measured the transconductance at 1 kHz and 12 MHz and found 4400 uS @ 1kHz and 5700 uS @ 12MHz in first case and 4200 uS @ 1kHz and 5500 uS @ 12 MHz in the other case (this was with 12V power supply, 150 ohm drain resistor, source grounded and gate at zero volts DC bias and about .6V P-P signal in).

With these specs, they could be similar to 2N4221, but that would just be a presumption. It is interesting that your table puts that type in the symmetrical column. But this begs the question, even if the FET were asymmetrical would one see a difference in any of THESE measurements? I suppose that I will need to check a known asymmetrical FET to get an idea if this is true or not.

Brad KG6IOE

Steve Ratzlaff (steveratz@eoni.com) wrote:

>Hi,
>I've just spent a little time going through my Siliconix JFET data
>book--it shows the chip geometry and whether the source and drain are
>symmetrical or non-symmetrical for a number of jfets. Here are the
>results for some fairly common jfets (at least some that I've worked
>with):
>
 SYM NON-SYM

>2N3819	X		
>2N4220-22	X		
>2N5457	X		
>2N5484-86	X	2N4416	X
>BF244/5	X		
>J304/5/U308-10	X		
>MPF102/108/112	X		

>There's no particular rule as far as I know whether a device is
>symmetrical or not.
>Most non-symmetrical jfets will work to some degree if you interchange
>drain and source, but for best performance, they should be properly
>connected, particularly at high-HF and above operation.
>If you have a favorite jfet not listed above and wish to know if it's
>symmetrical or not, let me know and I'll try to find it in my >databooks.
>Steve AA7U

>Nick Kennedy wrote:

>>

>>I think it's generally true that they're interchangeable. The only
>>exception might be where theres an anti-static diode integral to the
>>device,

>>but I think that's only done with MOSFETS.

>>

>>72--Nick, WA5BDU

>>in Arkansas

>>

>> > >Not that it helps much, but on some FETS the drain and source are
>> > >interchangeable.

>> >

>> > This makes sense thinking about how a JFET works and certainly within
>>the

>> > parameters of my simple test they were interchangeable. I am wondering
>> > whether this interchangeability would hold in all applications,

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Date: Mon, 5 May 2003 22:48:11 -0700 (PDT)
From: Jeff <fantbb@yahoo.com>

To: qrp qrp <qrp-l@lehigh.edu>
Subject: [150042] Re: RTTY being replaced by PSK31?
Message-ID: <20030506054811.57114.qmail@web20419.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Dave Sjolín <sjolin@swbell.net> wrote:
> RTTY is seldom used any more for anything but contesting and DX. >
> There are still as many RTTY operators as in the past, they are
> just very
> selective about when they operate the mode.

Interesting. Why is PSK31 used all the time and RTTY not?

73!

Jeff

=====
AB6MB
NorCal QRP Club #65, QRP-L #1780, ARCI 10071
Radical FIST Member 6798, Fanatic A's fan #1

Date: Tue, 6 May 2003 0:49:44 -0500
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [150043] K0EVZ ARS Sprint
Message-ID: <4120035265494450@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Thanks to all who dropped by during the ARS Sprint tonite. I spent the first hour on 20 Metres, until it suddenly folded. There was lots of activity on 40, but then the QRN level was very high. My final total is about 75 QSOes, 46 them on 20. Sorry for those that were missed ;^(.

73,
--Doc/K0EVZ

Date: Tue, 6 May 2003 0:49:47 -0500
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "Elecrafft " <elecraft@mailman.qth.net>,
 "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "Bruce Rattray " <rattray@gpfn.sk.ca>,
 "Tom Palmer" <n1tp@swfla.rr.com>,
Subject: [150044] Summer FOX Starting Date Change
Message-ID: <41200352654947375@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

To completely avoid the CQ WPX contest, the starting date for the Summer FOX Hunt is being moved back one week, to Sunday, June 1, 2003. The BYE is still set for July 6, and the season will end August 10. Thanks to those who wrote about this possible conflict with the WPX.

The selection of FOXes is presently underway. We will complete this task shortly, and post the results ASAP. Thanks to all who have already volunteered. Remember: The deadline for volunteers is 5/6/03, at 2300Z (this is a slight extension).

73,

--Doc/K0EVZ for the FOX Committee
 Marshall N1FN, Bruce VE5RC, Tom N1TP
 and Chuck K7QO

Date: Tue, 06 May 2003 00:36:37 -0600
From: "P. Ermisch" <ermisch@usa.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [150045] Re: [Re: AT Sprint construction: solder wick technique]
Message-ID: <990HeFgKl7184S01.1052202997@uwdvg001.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Thanks for the replies. Yes, I am using real wick. I used the wider tip= on the last SMD project (all 1206 parts) with no problems. The "Loner" is temp-controlled, so I can dial it down too. I'll have to try the extra f= lux as well.

Paul KB0LUR

"Mike Yetsko" <myetsko@insydesw.com> wrote:

> > ...or perhaps the subject should state: my lack of solder wick
> technique.
> >
> > I'm using SMD-type solder wick and it's not working for me. I think
> perhaps
> > it's my iron not heating the wick very well. I'm using a very narrow=
> tip
> > (Edsyn Loner w/needle tip, 1/32") and it appears that it might need t=
> o
> be
> > re-tinned.
> >
> > Advice on technique humbly accepted. Thanks.
> >
> > Paul KB0LUR
> =

> I'd use a wider chisel tip or screwdriver tip. I'd also make sure the =
tip
> is CLEAN and tinned, but NOT have excess solder on it. Tin it, wipe
> it, then go to the wick. If you are using a 'controlled temp' iron tha=
t
> is fixed, wait a few seconds after you wipe the sponge. Wiping the
> sponge will cool the tip, forcing the thermostat to turn on. Then you
> should be right at the peak when you wick a few seconds later.
> If you have a 'dial' type control, consider boosting it a bit, but I wo=
uld
> NOT recommend going above maybe 750 (I solder exclusively at 700
> degrees. I NEVER use anything else. In fact, I don't own any tips
> other than 700 degrees for my WTCPT station.)
> =

> You ARE using real wick, right? Not trying to use salvaged coax
> braid? Sometimes salvaged braid can have oxidation that really
> limits how well it will conduct heat and soak up that initial bit of
> solder. Remember, the braid works by 'wetting' with the solder
> and then capillary action draws it in. If that first bit doesn't 'wet'=
to
> the braid, it won't work.
> =

> Mike
> =

> =

Date: Tue, 6 May 2003 11:18:03 +0200 (CEST)
From: "=?iso-8859-1?q?Miguel=20Angel=20D.J.?=" <ea1bp@yahoo.es>
To: qrp-1@Lehigh.EDU
Subject: [150046] FS or trade:ATX Walkabout still available FT-817
Message-ID: <20030506091803.4159.qmail@web20004.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Hi,
I have some more ATX for sale (105 \$ Shipped to the
US) or trade for a QRP 5 watts transceiver (OHR).
Once again, I need to say that all of them are NEW,
never used.
Photos of the antenna (Still in the bag) are available
or any kind of information about it.

I have several but they won't last forever. New are 130
\$ plus shipping.

73

Miguel

Yahoo! Messenger - Nueva versi n GRATIS

Super Webcam, voz, caritas animadas, y m s...
<http://messenger.yahoo.es>

Date: Tue, 6 May 2003 06:58:22 -0400
From: kwiike@gdls.com
To: qrp-1@Lehigh.EDU
Subject: [150047] Michigan QRP Net Tonight
Message-ID: <0FE8529041.E669727A-0N85256D1E.003C2737@gdls.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Last week we had eight check-ins from six states. Conditions were very noisy with lots of QRN.

	S	R		
AA1MY	339	329	BETHEL	ME SEAB
WA8BXN	559	599	CLEVELAND	OH MIKE
W2SH	339	449	MILLINGTON	NJ CHARLES
WA8REI	579	599	MIDLAND	MI KEN
WK8S	339	579	WATERFORD	MI PETE
W8IQB	579	589	BRISTOL	MI LOWELL
K8KFJ	579	569	CHARLESTON	WV GARY
N1CUU	559	449	GETTYSBURG	PA CARL

The Michigan QRP net meets each Tuesday night at 9:00 PM Eastern time on 3.535 MHz. All hams are welcome.

Ed AB8DF

Date: Tue, 6 May 2003 06:49:54 -0500
From: mark.milburn@juno.com
To: qrp-1@lehigh.edu
Subject: [150048] Iowa QRP Club CW Net
Message-ID: <20030506.065050.-1270237.0.MARK.MILBURN@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The CW net will be held on or about 7.112 at 8 PM Iowa time Wednesday night. (I always get letters about using GMT, so that would be Thursday morning at 0100z for those that need that info). All are welcome.

The weather forecast is for NO thunderstorms and lightning crashes, so should be a good night for us. Try to join in if you can.

72 Mark KQ0I
Des Moines, Iowa

Date: Tue, 6 May 2003 05:39:40 -0700 (PDT)
From: Lloyd Lachow <llachow@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [150049] Re: ARS Spartan Sprint
Message-ID: <20030506123940.54418.qmail@web41001.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Garie Halstead <khyberpass65@yahoo.com> wrote:
> The 500mw signal of WA8ZBT is really smokin' tonight
> on 20m.
> He's a solid 579 here in WV...WOW!!

Same here in MD...massive sig for half a what!

=====

73, 72 es oo, Lloyd, K3ESE
K1 # 00379 - 20/40M Rock-Mites - Hunk o' Wahr
ARRL - ARS #1301 - QRPParci #11147 - FISTS #8774
FPQRP #476 - QRP-L #2415 - SOC #530
Fun = Skill / Power
"You can't spell Lloyd without lol!"

Do you Yahoo!?
The New Yahoo! Search - Faster. Easier. Bingo.
<http://search.yahoo.com>

Date: Tue, 06 May 2003 07:40:46 -0500
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-l@lehigh.edu, Rock-Mite_Group@yahoogroups.com
Cc: "ESS" <ess@tampabay.rr.com>
Subject: [150050] ESS Crystals for 40m Cyl vs HC49
Message-ID: <3.0.2.32.20030506074046.00802380@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Recently obtained some new cylindrical and HC-49 crystal frequencies from

N4ESS, Rich, at Expanded Spectrum Systems.
<http://www.expandedspectrumsystems.com/prod4.html>

The frequencies obtained are listed in the partial table below. ESS also has 7040s (and a few other frequencies) in the HC-49s. Prices are good, \$2.55 each in quantities of 2 to 10 and \$0.60 shipping up to 100 pieces.

The cylindrical crystals produced less osc power but reduced power output in only two cases. More importantly in Rock-Mites, the shift varied from 300 to 400 Hz. Something around 700 Hz is typical for a stock R-M. A complete table of all measurements is available as an MSWord attachment.

c=cylindrical h=HC-49

Marked	f1	shift Hz	Vd1 (50 Ohms)
7042c	7041.2	300	5.3
7042h	7040	900	5.6
7038c	7037.1	300	5.6
7038h	7036.1	900	5.6
7030c	7029.1	380	5.0 (xtal output was lower)
	7029.4	400	5.5
7030h	7028	900	5.5
	7028.15	850	5.6

Example power out -- $E^2/R = 5^2/50 = 25/50 = 500$ mW Measured with calibrated RF probe and 10 M Ohm DVM after 2 seconds keydown. Frequency checked with FT-847 using a 25 Hz filter.

The cylindrical crystals may not be the best choice for Rock-Mite use without some adjustment of the offset shift voltage (new zener). Otherwise, they work just fine for other projects where a tiny crystal would be an advantage.

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, NETXQRP <http://www.netxqrp.org>

Date: Tue, 06 May 2003 09:07:52 -0400
From: "Charles Mabbott" <aa8vs@msn.com>
To: qrp-l@Lehigh.EDU
Subject: [150051] RTTY being replaced by PSK31 -- question??
Message-ID: <BAY4-F3G1ZsCcgQHtho000205ce@hotmail.com>

Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Is it possible the novelty [RTTY] has worn off and the folks that are dedicated to it have thinned out a bit? Any comments, because it seems packet has kind of cut back a bit from what it was also from a few years ago before internet.

73 oo
Chuck AA8VS

>From: "Dave Sjolín" <sjolin@swbell.net>
>Reply-To: sjolin@swbell.net
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Re: RTTY being replaced by PSK31?
>Date: Mon, 5 May 2003 22:06:30 -0500
>
>RTTY is seldom used any more for anything but contesting and DX. As a
>result
>you see little RTTY activity except during a contest weekend or when a
>DXpedition is underway.

<snip>

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Date: Tue, 6 May 2003 09:18:49 -0400
From: "Brian Murrey" <brian@iquest.net>
To: <aa8vs@msn.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [150052] Re: RTTY being replaced by PSK31 -- question??
Message-ID: <000901c313d2\$08910ed0\$4505020a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Having just started playing with "computer radio" in the last few months, I find PSK31 and RTTY to be equally enjoyable...but they don't hold a candle to a fist to fist real live CW QSO.

When I'm on PSK31 I feel like I'm on AOL using instant messenger...unless it's DX of course. Then it counts.

I have 43 DX countries in my logbook, about 8 of them since I started playing with PSK and RTTY since about Feb. I still find it more of a "thrill" working QRP DX without the aid of a computer and running on battery power.

I heard of something called sideband though, where people talk into these microphone things and then listen with the speaker. Sounds a lot like telephone but I may have to check it out one day too.

72 es 00

```
=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====
```

----- Original Message -----

From: "Charles Mabbott" <aa8vs@msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, May 06, 2003 9:07 AM
Subject: RTTY being replaced by PSK31 -- question??

> Is it possible the novelty [RTTY] has worn off and the folks that are
> dedicated to it have thinned out a bit? Any comments, because it seems
> packet has kind of cut back a bit from what it was also from a few years
ago

> before internet.

>

> 73 oo

> Chuck AA8VS

>

>

>

>

> >From: "Dave Sjolín" <sjolin@swbell.net>

> >Reply-To: sjolin@swbell.net

> >To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> >Subject: Re: RTTY being replaced by PSK31?

> >Date: Mon, 5 May 2003 22:06:30 -0500

> >
> >RTTY is seldom used any more for anything but contesting and DX. As a
> >result
> >you see little RTTY activity except during a contest weekend or when a
> >DXpedition is underway.
>
> <snip>
>
>
> -----
> Add photos to your e-mail with MSN 8. Get 2 months FREE*.
> <http://join.msn.com/?page=features/featuredemail>
>
>

Date: Tue, 6 May 2003 08:24:08 -0500
From: "Dave Sjolin" <sjolin@swbell.net>
To: <aa8vs@msn.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [150053] Re: RTTY being replaced by PSK31 -- question??
Message-ID: <17d901c313d2\$c771cdd0\$78d1fea9@DaveSjolin>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Im not sure that the novelty has worn off recently. Ragchews on RTTY have been declining for years. It seems that prior to PSK31 arrival, a lot of RTTY operators were spending their non contest, non DX time operating Amtor and then later, Pactor.

73 de Dave, N0IT

----- Original Message -----
From: "Charles Mabbott" <aa8vs@msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, May 06, 2003 8:07 AM
Subject: RTTY being replaced by PSK31 -- question??

> Is it possible the novelty [RTTY] has worn off and the folks that are
> dedicated to it have thinned out a bit? Any comments, because it seems
> packet has kind of cut back a bit from what it was also from a few years
ago
> before internet.
>

> 73 oo
> Chuck AA8VS

Date: Tue, 06 May 2003 13:32:39 +0000
From: "Dennis Ponsness" <wb0wao@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [150054] Re: RTTY being replaced by PSK31?
Message-ID: <Law11-F116241TVGm2R000104a9@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I am also just starting to play with the digimodes as well. I have noticed that there seems to be more psk31 than rtty as well. I think that it is a direct result of the plethora of digimodes that are available now - PSK31, Hellschreiber, etc. etc. Since there are more choices, it would seem to me that the available "pool" of ops running digimodes would be spread out among them. Just my opinion....

72 es oo

Dennis - WB0WAO

EN84ij Iosco County, Michigan
MultiPig+ #3
NJQRP #329 - FPQRP #-347 - SOC #499
GACW #622 - ARS #1363 - QRP Canada #248
WATPK #2
FISTS # 9299
Charter Member - Michigan DX Association
www.qsl.net/wb0wao
:=)

>From: Jeff <fantbb@yahoo.com>
>Reply-To: fantbb@yahoo.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Re: RTTY being replaced by PSK31?
>Date: Mon, 5 May 2003 22:48:11 -0700 (PDT)

>
>
>--- Dave Sjolín <sjolin@swbell.net> wrote:
> > RTTY is seldom used any more for anything but contesting and DX. >
> > There are still as many RTTY operators as in the past, they are
> > just very
> > selective about when they operate the mode.
>
>Interesting. Why is PSK31 used all the time and RTTY not?
>
>73!
>
>Jeff
>
>
>
>=====
>AB6MB
>NorCal QRP Club #65, QRP-L #1780, ARCI 10071
>Radical FIST Member 6798, Fanatic A's fan #1

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Date: Tue, 6 May 2003 08:35:45 -0500
From: "Dave Sjolín" <sjolin@swbell.net>
To: <fantbb@yahoo.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [150055] Re: RTTY being replaced by PSK31?
Message-ID: <17e301c313d4\$67b55f40\$78d1fea9@DaveSjolín>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> --- Dave Sjolín <sjolin@swbell.net> wrote:
> > RTTY is seldom used any more for anything but contesting and DX. >
> > There are still as many RTTY operators as in the past, they are
> > just very
> > selective about when they operate the mode.
>
> Interesting. Why is PSK31 used all the time and RTTY not?

My guess would be that there are a variety of reasons. First of all novelty. Its the latest in a series of new modes. Digital operators seem to always be looking at new modes.

I think the relatively recent arrival of soundcard based programs which mean that purchase of new hardware is not needed to try the mode. Soundcard software has also brought in a lot of new operators trying the mode which adds to the difficulty of finding a spot to hold a RTTY ragchew on many of the bands.

The digital portion of the band which was once all RTTY is now divided between many different modes and there are specific segments "set aside" for specific activities. Other than in contests, RTTY generally gets less than 10 khz and those frequencies are infringed upon all the time.

The mode itself. You can squeeze more activity into a narrow piece of the band and you can work some long haul dx with relatively little power.

73 de Dave, N0IT

Date: Tue, 6 May 2003 10:23:13 -0400
From: "K8YS/N8LBR" <jbcraft@adelphia.net>
To: <aa8vs@msn.com>,
 "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [150056] RE: RTTY being replaced by PSK31 -- question??
Message-ID: <000301c313db\$07fb9680\$79d7aa44@lbrtoh.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I do not think that RTTY is completely dead yet... Check out PSK63 - supposed to be 100WPM PSK - will rival 60 or 100 WPM RTTY for speed and less bandwidth...

Considering that in the days BC[*], the Teletype/Kleinschmidt MACHINE was the only way to send teleprinter code over radio, RTTY was the king of the heap, but now we can use ASCII, RTTY machines are big, hulking, ugly, oil spewing, paper flinging, NOISY, (Oh, how I miss AUTOSTART or my all time favorite CTRL-G at 03:00) clunkers that can be found standing upright in empty hamfest fleamarkets at 4PM on a Sunday, antiques....

And then, if you were active on VHF, you needed one machine with one set

of gears and a TU for 850Hz shift and on HF, another set of gears and another TU with 170Hz shift and then if you watch WX broadcasts, still another TU with 425Hz shift and then if you were into watching really strange stuff, still another TU with that shift... Even the ST6000 did not have variable filters, just three preset shifts.

Now, all can be done using a computer with a soundcard, and why use RTTY if you can fit 10+ PSK31 QSO's in the same bandwidth.

00
Bob K8YS

My old RTTY machines:
Model 15
Model 19
Model 28 KSR
Model 28 ASR (with several type boxes)
Model 28 ASR with gear shift, Typeing re-perf.
Model 33
Model 35
Model 40
Model 43 RS232
Model 43 110/300 baud Modem

[*] BC is Before Computer.

Date: Tue, 6 May 2003 10:35:06 -0400
From: "sslyon" <sslyon@megalink.net>
To: <bsutphin@triad.rr.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [150057] Re: Antenna Feed Line
Message-ID: <006301c313dc\$b0db49c0\$0ac8e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Should work ok, and you're right about the coax... expensive, more lossy, as well as heavy. But you could run it thru cheap pvc conduit buried in the ground, and it would last longer.

What kind of ladderline are you making? Using a balun at ant. end?

-or a tuner?

73
aa1my

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Date: Tue, 6 May 2003 10:39:22 -0400
From: "Russ Hines" <wb8zcc@one.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [150058] Re: RTTY being replaced by PSK31 -- question??
Message-ID: <005701c313dd\$48926640\$4307c00a@WB8ZCC2>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My guess is the perceived challenge is gone with RTTY. PSK31 seems to work better, and as said, it's the novel mode now.

Nothing like nursing a Model 19, or anything that says "Kleinschmitt" on it.

73,
Russ
WB8ZCC

----- Original Message -----
From: "Charles Mabbott" <aa8vs@msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, May 06, 2003 9:07 AM
Subject: RTTY being replaced by PSK31 -- question??

> Is it possible the novelty [RTTY] has worn off and the folks that are
> dedicated to it have thinned out a bit? Any comments, because it seems
> packet has kind of cut back a bit from what it was also from a few years
ago
> before internet.
>
> 73 oo
> Chuck AA8VS
>
>
>
>
>
> >From: "Dave Sjolín" <sjolin@swbell.net>

> >Reply-To: sjolin@swbell.net
> >To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> >Subject: Re: RTTY being replaced by PSK31?
> >Date: Mon, 5 May 2003 22:06:30 -0500
> >
> >RTTY is seldom used any more for anything but contesting and DX. As a
> >result
> >you see little RTTY activity except during a contest weekend or when a
> >DXpedition is underway.
>
> <snip>
>
> -----
> Add photos to your e-mail with MSN 8. Get 2 months FREE*.
> <http://join.msn.com/?page=features/featuredemail>
>
>

Date: Tue, 06 May 2003 09:43:52 -0500
From: Dave Hottell <hottell@gulftel.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [150059] Re: NVIS and QRP
Message-ID: <3.0.6.32.20030506094352.00900d60@pop.gulftel.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Folks,

>There's no reason why you couldn't add a counterpoise to the antenna.
>It doesn't have one due to the "quick-erect" design, which is required
>for tactical applications.
>

Found the NVIS counterpoise idea interesting so did a little modeling with
eznec. Here is what it shows for an 80m NVIS antenna:

	Max	
Ht	Gain	Counterpoise
68'	6.21	No
34'	5.94	No
17'	2.62	No
68'	6.26	Yes
34'	6.04	Yes

17' 1.62 Yes

Based on this it doesn't look like a counterpoise is worth a whole lot, may even hurt occasionally. Height above ground matters more.

This is over 'average' ground and the type of ground does affect gain somewhat, so there could well be applications where a counterpoise would be more useful than shown here. YMMV.

The max gain here is straight up, or nearly so.

I guess the counterpoise is really nothing more than a reflector - same as goes on a beam - so the same design parameters would apply. Apparently the ground makes a pretty decent reflector for horizontally polarized energy.

73 de Dave
ab9ca

Date: Tue, 06 May 2003 10:43:46 -0400
From: Jerry Lofstead <w3cde@bellsouth.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [150060] Re: RTTY being replaced by PSK31 -- question??
Message-ID: <3EB7CA22.C12AD5E@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It sure seems from the replies so far there are not many of you running real RTTY. Especially with a "real" RTTY Teletype machine. You folks do not know what you are missing. The clackety clack and the smell of the oil can not be beat or duplicated running a silent digital mode. 8-)

Still running a 28KSR Teletype machine (Made by Teletype Corp) with 60-75-100 WPM gear shift! The real thing!

Hummmmm, clackety clack...

Jerry
W3CDE

Dave Sjolín wrote:

>
> Im not sure that the novelty has worn off recently. Ragchews on RTTY have
> been declining for years. It seems that prior to PSK31 arrival, a lot of
> RTTY operators were spending their non contest, non DX time operating Amtor
> and then later, Pactor.
>
> 73 de Dave, N0IT
>
> ----- Original Message -----
> From: "Charles Mabbott" <aa8vs@msn.com>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Tuesday, May 06, 2003 8:07 AM
> Subject: RTTY being replaced by PSK31 -- question??
>
> > Is it possible the novelty [RTTY] has worn off and the folks that are
> > dedicated to it have thinned out a bit? Any comments, because it seems
> > packet has kind of cut back a bit from what it was also from a few years
> ago
> > before internet.
> >
> > 73 oo
> > Chuck AA8VS

Date: Sun, 04 May 2003 10:56:18 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: fantbb@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [150061] Re: RTTY being replaced by PSK31?
Message-ID: <3EB52A12.D05B608F@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You guys should be more specific. You guys are taking a vary parochial view of this thing. The population of hams does not begin to rival the population of commercial users who use/may use RTTY. RTTY may be taking a nose dive in ham radio circles, but I would be more careful about the whole industry.

73

Date: Sun, 04 May 2003 11:09:07 -0400

From: Bruce Muscolino <w6toy@erols.com>
To: bsutphin@triad.rr.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [150062] Re: Antenna Feed Line
Message-ID: <3EB52D13.E5A8CCB8@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The basic problem is that the Hustler is not impedance compatible with open wire line. Yes, I know open wire line has low loss, and there may be an advantage there, but the losses at either end will make up for that. You will need a balloon at both ends, and they will more than make up for the low loss.

I think a better bet would be using a low loss coax, like RG213, or the various varieties of RG8, and optimizing the installation. Be sure you provide a good ground return for the antenna (radials, not a ground rod outside the shack.

73

Date: Tue, 6 May 2003 11:42:19 -5
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
To: qrp-l@Lehigh.EDU
Subject: [150063] QSL Card Collectors??
Message-ID: <200305061539.h46FdKAj001333@rhombus.bright.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Before I go somewhere else outside of QRP-L -

I have been taking care of an estate of a local ham (W8ZC) and I have three shoeboxes of QSL cards to dispose of. I took a quick look at them, and they appear to be mostly DX cards. The oldest one I saw was dated 1949.

Are there any QSL card collectors on the list who would like them?? You pay the shipping and I will mail or UPS them to you, or I can bring them to Dayton for pickup.

Let me know
73 - Bill - N8ET
Kanga US
kanga@bright.net

<http://www.bright.net/~kanga/419-423-4604>

Date: Tue, 6 May 2003 09:25:19 -0700
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-1@Lehigh.EDU>
Subject: [150064] Need NorCal 40 info (from the Club Version, not the Wilderness NC40A)
Message-ID: <029d01c313ec\$16121800\$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi guys, I need some help here. Can someone scan a copy of the parts list and schematics of the NorCal 40 Club version, NOT the very popular Wilderness Radio NorCal 40A, which is still available, by the way, from Bob Dyer at Wilderness Radio. Do you know that he has not raised his prices for that radio in 8 years!! I talked with Bob last night, and he says the NorCal 40 is still selling well. That is amazing and a testimony to what a true classic radio it is. Thanks in advance for the help. 72, Doug

Date: Tue, 6 May 2003 09:26:05 -0700 (PDT)
From: Allen Jones <w9dz@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [150065] Re: Mini Boots Amplifier Announcement of Good News!!!!!!!!!!!!
Message-ID: <20030506162605.91588.qmail@web14105.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I had no idea how robust the IRF-510's were until I built the HF Packer amp available from <www.hfprojects.com>. The project was originally described in the ARRL handbook. K500R added a neat switching regulator to boost the supply voltage to 24V. A pair of the 510's attached to a good heatsink and supplied with 24 volts results in 30+ watts out up to 12M. Output drops to 20W on 10M. That's with about 1W of drive to the devices. Really neat when you consider the 510's cost less than \$1 a piece in quantity. Sorry, I know this isn't QRP but it is nice to be able to finish a QSO when the band goes sour.

73

Allen - W9DZ

>First, I don't believe 5-10W constitutes "high power"
>on 10M. Most
>CB's are in the 3-5W range to begin with.

>Secondly, I don't believe Wayne has ever said his
>Mini-Boots is good
>up to 10M. I believe it is for 40/30/20M. I recall
>Wayne being asked
>this at PacifiCon, and he said it was not designed
>for 10M use. Since
>it uses an IRF510, pushing it to even 15M would be a
>challenge. So using
>it on 10M is not a factor. However, I am not
>involved in this project, so
>if the PA transistor has been changed since PacifiCon
>to allow 10M use,
>I'm sure it will be posted.

>Besides, who are you going to talk to on 10M ... 5W
>or 100W? The days
>of 10M openings are getting numbered as we slither
>into the solar
>minimum. Solar flux has been under 150 for some time
>now.

>72, Paul NA5N

Do you Yahoo!?
The New Yahoo! Search - Faster. Easier. Bingo.
<http://search.yahoo.com>

Date: Tue, 6 May 2003 12:37:30 -0400
From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [150066] ADIF
Message-ID: <E1F0152638DBD311AEF700D0B74455E2715AA5@exchange_nh.allegromicro.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Can someone send me a copy of a ADIF file? I want to know how to generate one without using a logger--I do my own logging in a spreadsheet. I have generated Cabrillo logs easily enough in Notepad, but I can't seem to find an example ADIF file to look at and copy. I can find the websight with the standard, but not an example.

Thanks
KB1CKT
Shawn

Date: Tue, 6 May 2003 10:37:46 -0600 (MDT)
From: Brian Mileschosky <n5zgt@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [150067] Want: 10-Meter Beacon
Message-ID: <Pine.GSO.4.10.10305061028490.5760-100000@yagi.swcp.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Everyone,

I am interested in placing a 10-meter CW beacon on the air here in Albuquerque, New Mexico to help with determining what the band is up to. The thought of receiving QSL cards randomly by hams who are willing to send them as reports seems like a slight thrill, too.

I have a Small Wonders 10 meter transceiver I thought I could dedicate to the cause, since it would be stable in frequency and isn't too expensive of a rig to tie up. Or perhaps there are other ideas out there that would allow me to keep my SW-10 for a QRP rig.

But then comes the need for a controller of some sort, as I wish for the beacon to emit something like:

DE N5ZGT/B DM65 ALBUQUERQUE, NM. PSE QSL UR REPORT
(5 second keydown)
DE N5ZGT/B DM65 ALBUQUERQUE, NM. 2 WATTS INTO VERT
(5 second keydown, loopback)

Does anyone know what can be used for such a thing? I would think a PIC would do it, but I have no experience with them. Also, in the land of T-Hunting, there is the Montreal Controller at

<http://www.qsl.net/ve2emm/pic-projects/mtfoxctr/mtlctr-e.html>

Perhaps this could do the trick with a software modification (so it emits the message above). The Montreal is a PIC-based circuit, but the

hardware is already designed -- using it would turn the whole thing into just a software project.

Better yet, what have you beaconers used to do this? Simple, small, inexpensive and great performance -- much like QRP -- is my goal in all of this.

Ideas?

72,
Brian, N5ZGT

Amateur Radio Station N5ZGT - N5ZGT PBBS, 145.01 MHz
ARRL Life Member, NorCal #1700, QRP-L #580, AK/QRP #125
Boy Scouts of America - Eagle Scout - ASM Troop 409
Vigil Honor Member, O.A. Lodge 66 Yah-Tah-Hey-Si-Kess

Date: Tue, 6 May 2003 11:40:50 -0500
From: "Dave Sjolín" <sjolin@swbell.net>
To: <w6toy@erols.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [150068] Re: RTTY being replaced by PSK31?
Message-ID: <18ac01c313ee\$4243a720\$78d1fea9@DaveSjolín>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Doesnt the military use spread spectrum and dont most of the commercial users use various forms of frequency or phase shift keying using non-amateur encoding schemes? Perhaps some of the news services may use RTTY and some poor countries may still be using teletype machines but I doubt its very common.

Dave

----- Original Message -----
From: "Bruce Muscolino" <w6toy@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, May 04, 2003 9:56 AM
Subject: Re: RTTY being replaced by PSK31?

> You guys should be more specific. You guys are taking a vary parochial
> view of this thing. The population of hams does not begin to rival the
> population of commercial users who use/may use RTTY. RTTY may be taking
> a nose dive in ham radio circles, but I would be more careful about the
> whole industry.
>
> 73
>

Date: Tue, 6 May 2003 12:53:38 -0400
From: "w8diz" <w8diz@fpqrp.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [150069] Re: 10-Meter Beacon
Message-ID: <015701c313f0\$0b1e4dc0\$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Brian,

I highly recommend the K1EL's keyer chip the "K10"
It has a great beacon mode. Check this out...

<http://k1el.tripod.com/k10man.pdf>

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
RIG:multiPIG+ ANT:470 FT Horiz Loop <http://kitsandparts.com>

----- Original Message -----

From: "Brian Mileschosky" <n5zgt@swcp.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, May 06, 2003 12:37 PM
Subject: Want: 10-Meter Beacon

Hi Everyone,

I am interested in placing a 10-meter CW beacon on the air here in
Albuquerque, New Mexico to help with determining what the band is up to.
The thought of receiving QSL cards randomly by hams who are willing to
send them as reports seems like a slight thrill, too.

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Ideas?

72,
Brian, N5ZGT

Amateur Radio Station N5ZGT - N5ZGT PBBS, 145.01 MHz
ARRL Life Member, NorCal #1700, QRP-L #580, AK/QRP #125
Boy Scouts of America - Eagle Scout - ASM Troop 409
Vigil Honor Member, O.A. Lodge 66 Yah-Tah-Hey-Si-Kess

Date: Tue, 6 May 2003 11:57:39 -0500
From: "Michael Melland" <w9wis@charter.net>
To: <kkanalz@gceecisp.com>,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [150070] Re: NVIS military antennae
Message-ID: <007a01c313f0\$9a8e4640\$3f20be42@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

That's right Karl.... it's the AS-2259 and it can be had from surplus dealers for \$350 +/- but generally less the tuning unit. And... contrary to what some may think the main use of these antennas was with low power (~20 watts) HF field radios.... entire Special Forces commo systems were assembled around the antenna... which was the Collins Model 637-K1 or mil nomenclature AS-2259. They are made now by Telex (their Model 1900) and quite recently in a shortened form by Harris... their model number escapes me. The AS-2259 was used in Iraq as of late. CNN had a great pic of an APC type vehicle with one set up on top on it's special mount. BTW there were many versions and several tuners for them.... they were also used NVIS without tuners up to abt 11 MHz. They are crossed unballanced low inverted V antennas that exhibit both vert and horiz polarization and a 90 degree takeoff in NVIS mode. The antenna on my website for construction is, with the exception of the feedline.... a version that very closely approximates the original.

BTW I have quite a bit of experience with these.... the USAF Combat Controllers and Combat WX Teams among others used lots of them...with the PRC-47 and PRC-104 manpack 50 watt radio.

Pics of AS-2259 antenna here:

<http://www.co.missoula.mt.us/acs/radios/AS-2259%20antenna.htm>

The spec sheet from Telex is here:

[http://www.telex.com/Wireless/Files.nsf/Pages/1990brochure/\\$file/1990.pdf](http://www.telex.com/Wireless/Files.nsf/Pages/1990brochure/$file/1990.pdf)

Note the various vehicle and ground mounts..... which are harder to find surplus then the antennas <grinz>.

Mike, W9WIS

--

Michael Melland, W9WIS

Winneconne, Wisconsin USA EN54pc

qrp-l #1656 - qrp-parci # 9875 - iparc #252

ars #1075 - <http://webpages.charter.net/w9wis/>

Date: Tue, 06 May 2003 12:15:49 -0500
From: Dave Hottell <hottell@gulftel.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [150071] QRP/NVIS sprint?
Message-ID: <3.0.6.32.20030506121549.00906d40@pop.gulftel.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Folks,

There have been a few notes posted lately about QRP and NVIS. Just wondering if there would be any interest in a short QRP/NVIS sprint. Most of us already have low dipoles so are fixed for antennas, and it would be interesting to see how close and how far we could work. (Ground wave? What's that?)

We could pick some Sun afternoon for a couple of hours (or less) and see what happens. Hopefully a low-contest weekend - if any exist.

If anyone has any interest post me back off-list and we'll see if enough want to have a go at it.

73 de Dave
ab9ca

Date: Tue, 6 May 2003 12:47:51 -0500 (CDT)
From: bob evinger <wd9eka@evinger.com>
To: Jerry Lofstead <w3cde@bellsouth.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [150072] Re: RTTY being replaced by PSK31 -- question??
Message-ID: <Pine.LNX.4.44.0305061242560.28713-100000@aprs2>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Or the sound of the clackity clack of a model 15 on a 2x4 table in a house with solid wood floors. I had a 15 in high school and couldnt operate after

about 9 or 10 at night w/o keeping the whole house up and you "knew" by the seat of your pants when the other station sent a carriage return. I dont know what the carriage portion of a 15 weighed but since it carried almost literally the whole type mechanism with it when it hit the stop it was a force to be reckoned with. There are times when I wished I had recorded some audio from one of those just so I could play it while doing rtty/psk31 for the memories :) but I think one would need some really decent speakers to get the full effect ;)

bob

On Tue, 6 May 2003, Jerry Lofstead wrote:

>
> It sure seems from the replies so far there are not many of
> you running real RTTY. Especially with a "real" RTTY
> Teletype machine. You folks do not know what you are
> missing. The clackety clack and the smell of the oil can not
> be beat or duplicated running a silent digital mode. 8-)
>
> Still running a 28KSR Teletype machine (Made by Teletype Corp)
> with 60-75-100 WPM gear shift! The real thing!
>
> Hummmmm, clackety clack...
>
> Jerry
> W3CDE
>
> Dave Sjolín wrote:
> >
> > Im not sure that the novelty has worn off recently. Ragchews on RTTY have
> > been declining for years. It seems that prior to PSK31 arrival, a lot of
> > RTTY operators were spending their non contest, non DX time operating Amtor
> > and then later, Pactor.
> >
> > 73 de Dave, N0IT
> >
> > ----- Original Message -----
> > From: "Charles Mabbott" <aa8vs@msn.com>
> > To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> > Sent: Tuesday, May 06, 2003 8:07 AM
> > Subject: RTTY being replaced by PSK31 -- question??
> >
> > > Is it possible the novelty [RTTY] has worn off and the folks that are
> > > dedicated to it have thinned out a bit? Any comments, because it seems
> > > packet has kind of cut back a bit from what it was also from a few years
> > ago
> > > before internet.
> > >
> > > 73 oo
> > > Chuck AA8VS
>

--

Bob Evinger WD9EKA/AAR5MG(Army MARS operator)

If Guns Cause Crime, Then Matches Cause Arson.

Date: Tue, 6 May 2003 11:51:50 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: <elecraft@mailman.qth.net>, "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [150073] QST Hamcon Attendees Re: [Elecraft] Booth help needed for HamCon 2003 in Estes Park CO May 30 - June 1
Message-ID: <003a01c313f8\$2c981f50\$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Folks,

I cleared my schedule so I can facilitate coordinating this activity.

Can you help? Hope so. It's a great way to spread the word about Elecraft; show off your handy work; and receive a nice thank you gift from Elecraft (shirt, see Eric's message below).

Here is the exhibitor schedule:

FRI May 30, 1p - 6p
SAT May 31, 9a - 6p
SUN Jun 01, 9a - 11:45a

Please drop me an email with Your name, callsign, and some different 2-4 hour time slots that you can help with. I'll then come up with a schedule so that we can always have enough people in the booth--If you have ever seen the Elecraft booth at show like Hamcon, you know we'll need plenty of people. :-) There is always a crowd of folks who want to learn more about Elecraft radios, and the people who built them.

This will be a fun time, hope to hear from you soon....

73, Rod N0RC

----- Original Message -----

From: "Eric Swartz WA6HHQ - Elecraft" <eric@elecraft.com>
To: <elecraft@mailman.qth.net>
Sent: Monday, April 21, 2003 4:38 PM
Subject: [Elecraft] Booth help needed for HamCon 2003 in Estes Park CO May 30 - June 1

> The HamCon 2003 hamfest (ARRL Rocky Mtn. Div. Convention) is coming up soon in
> Estes Park CO May 30 - June 1, 2003. Both Wayne and I will be busy that
> weekend but we would like to sponsor an Elecraft booth.
>
> We are looking for a few Elecraft enthusiasts to organize and work at the
> booth showing off their K1's and K2's. Here's your chance at fame and
> notoriety! Plus its a great way to meet other enthusiastic Elecraft
builders
> and prospective builders. We provide all the needed flyers and
Elecraft
> banners. Plus you will get a nifty Elecraft shirt with your call
embroidered
> on it. Ask those who have participated before, its a blast :^)
>
> If you are interested, please contact Lisa at lisa@elecraft.com .
>
> The Hamcon web site is: <http://www.hamconcolorado.org/>
>
> 73, Eric WA6HHQ
> -----
>
>
> -----
> Elecraft mailing list: Elecraft@mailman.qth.net
> You must be a list member to post to the list.
> Postings must be plain text (no HTML or attachments).
> See: <http://mailman.qth.net/mailman/listinfo/elecraft>
> Elecraft Web Page: <http://www.elecraft.com>
>

Date: Tue, 06 May 2003 15:13:35 -0400
From: John Harper AE5X <ae5x@qsl.net>
To: QRP-L <qrp-l@lehigh.edu>
Cc: n5zgt@swcp.com
Subject: [150074] Re: Want: 10-Meter Beacon
Message-ID: <000301c31403\$97f99700\$6401a8c0@JOHN>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Hi Brian,

Here is a keyer that will do the trick (and then some) at a low price:
<http://jacksonharbor.home.att.net/ik2.htm>

Download the manual and read about the beacon functions available. You can program a key-down time at the end of the text transmission and the delay of the looping function as well.

John Harper AE5X
Outdoor QRP & 80-Meter DXing: <http://www.ae5x.com>

Date: Tue, 6 May 2003 15:47:00 -0400
From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [150075] Re: ADIF
Message-ID: <E1F0152638DBD311AEF700D0B74455E2715AAE@exchange_nh.allegromicro.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

To all who responded--thanks.

KB1CKT

Date: Tue, 6 May 2003 15:46:27 -0400
From: "Russ Hines" <wb8zcc@one.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
 <jerrylofstead@bellsouth.net>
Subject: [150076] Re: RTTY being replaced by PSK31 -- question??
Message-ID: <003701c31408\$2ec12690\$4307c00a@WB8ZCC2>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What makes the mode, generating the correct waveform or using the "correct" equipment?

I'm glad I can enjoy "real" RTTY because my computer generates the correct modulation, which and whatever it is (after so many years, you'd think

someone would settle on baud rate, and mark-space frequency shifts and inversions). And I don't HAVE to mess with a nasty old teletype machine that breaks down every other QSO. I can then spend more time enjoying RTTY contacts.

Oh, and I don't keep my family up all hours with the "clackety-clack." The XYL doesn't know she has it so good. <g>

But you know what? I'm glad you can enjoy RTTY, too. Just as I enjoy real CW with my Bencher paddle, keyer and Drake B-line (please no one get all huffy about straight keys)... or real CW with my computer keying my solid-state Icom rig.

Okay, I'm done.

73,
Russ Hines
WB8ZCC

----- Original Message -----

From: "Jerry Lofstead" <w3cde@bellsouth.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, May 06, 2003 10:43 AM
Subject: Re: RTTY being replaced by PSK31 -- question??

>
> It sure seems from the replies so far there are not many of
> you running real RTTY. Especially with a "real" RTTY
> Teletype machine. You folks do not know what you are
> missing. The clackety clack and the smell of the oil can not
> be beat or duplicated running a silent digital mode. 8-)
>
> Still running a 28KSR Teletype machine (Made by Teletype Corp)
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> > From: "Charles Mabbott" <aa8vs@msn.com>
> > To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
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> > > packet has kind of cut back a bit from what it was also from a few
years
> > ago
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> > >
> > > 73 oo
> > > Chuck AA8VS
>
>

End of QRP-L Digest 2912

